

MINISTRY OF PUBLIC HEALTH, EGYPT

WESTMINSTER HOSPITAL MEDICAL SCHOOL
RESEARCH LABORATORIES
(7 HORSEFERRY ROAD LONDON, S.W.1)

Endemic Diseases Section

The Ninth Annual Report 1936

Govt. Press, Bulâq, Cairo, 1939

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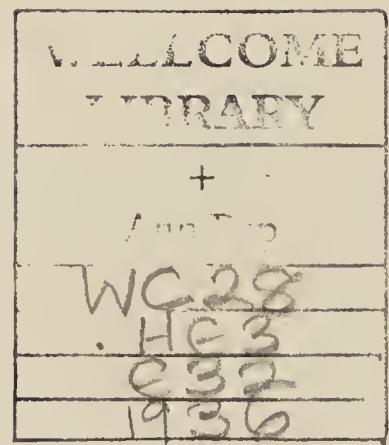
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The Ninth Annual Report of the Endemic Diseases Section for the Year 1936

1.—ANKYLOSTOMA AND BILHARZIA BRANCH

New Units Inaugurated

In view of the great need of Menufia and Sharqia Provinces for ankylostoma and bilharzia hospitals, in spite of the units already existing therein, the creation of two travelling ankylostoma and bilharzia units has been approved in this year's budget, one for each of the two Provinces. Arrangements are being made for their inauguration, and treatment is anticipated to commence early in 1937 in each.

And in view of the need of the country, Lower Egypt in particular, for more ankylostoma and bilharzia units, the creation of the following units has been proposed in the 1937-1938 budget :—

- (1) Two ankylostoma school clinics, each provided with a car to facilitate their moving amongst public *maktab*s for treatment of pupils in villages.
- (2) Twenty-two ankylostoma branches in district hospitals where special sections for such branches had been provided. The creation of such branches will help the travelling hospitals to proceed with the treatment in villages and towns, which are distant from district hospitals.

Number of Patients

The number of new patients seeking treatment during this year was 768,701, being an increase of 8,966 over those of the previous year. The number of patients treated for bilharziasis was 77,530 or 62·1 %, the number of injections given being 2,989,805, at the rate of 6·3 injections per patient. This is due to the inclination of the *fella*h to cease treatment soon after the slightest improvement, despite the advice given him as to the benefits of completing the course of treatment.

The number of patients treated for ankylostoma was 189,619 or 24·6 %.

The number of patients treated for other intestinal parasites was 14,965, or 9·6 %. These patients received 241,912 doses of carbon tetrachloride or chenopodium and castor oils.

Propaganda for the Protection against Parasitic Infection

Considering the importance of propaganda in preventing parasitic infections and protection against bilharzia, etc., the medical officers of all the endemic diseases units have been instructed to give regular lectures in various localities, in addition to the efforts of the Propaganda Office in this respect.

They have also been asked to find out the source of severe infection with the chief parasites, namely ankylostoma, bilharzia, and ascaris, especially in the localities where the number of patients seeking treatment is great. They are to proceed to such localities in the appropriate time for the investigation of the source of infection and its eradication.

Treatment of Pupils of Public Maktab in Villages

It was observed that the intelligence of parasite-infected pupils was much below that of healthy pupils of the same age. At the request of the Ministry of Education, the Section started in November an experiment by sending an ankylostoma school clinic in a motor-car to Ashmoun Region, this being a new method for the treatment of the largest number of pupils of public *maktab*s in their villages without requiring them to travel long distances because of their young age. It is expected to extend this scheme to other localities after its organisation and arranging for the proper carrying out of the work.

The Section did not stop at this point in the treatment of pupils, but instructed all ankylostoma units to take up the treatment of pupils in schools lying within their circumscription during the intervals when attendance at the units is at its lowest, particularly during winter which coincides with the beginning of the school-year.

The Experiment of spraying Tents with Shirlan Solution

Although the experiment of spraying tents of ankylostoma units with Shirlan solution proved successful, as mentioned in last year's report, yet the falling of rain and the blowing of strong winds in some regions which damaged, in certain cases, the tents and equipment led the Section to consider the substitution of wooden kiosks for the tents and wooden walls for those made of matting ; the latter being easily penetrated by patients attempting to escape earlier than the fixed time of departure. It is realised that much economy will be effected because of the durability of the wood, as compared with the easily destroyed matting. The substitution will gradually take place according to the funds available.

Success of the Treatment of Ascaris with Chenopodium and Castor Oils

A mixture of chenopodium and castor oils was used in the treatment of absolute ascaris or ascaris accompanied by ankylostoma. Very good results were obtained and no complications were observed in the patients treated with that mixture.

II.—TUBERCULOSIS BRANCH

New Units inaugurated

During the year under review, a chest diseases dispensary was opened at Assiut (8-2-36). The chest diseases dispensary proposed to be created at Damanhur is expected to be opened early in 1937. Arrangements are being made for the inauguration of the chest diseases dispensary proposed to be created at Zagazig,

Fouad Sanatorium, Helwan

An increase of 45 beds for the accommodation of the Sanatorium is anticipated. These will be reserved for the cases which get worse in order to avoid having to discharge them in an advanced stage of the disease, and thus evade the possibility of spreading the disease amongst contacts.

During 1936, 1,135 patients were admitted to the Sanatorium and 1,109 were discharged, the number of inmates on January 1, 1937 being 368. Of the discharges, 421 patients got better, 431 patients remained stationary, 134 patients got worse and 123 patients died. Detailed statistics are annexed to this report.

In future, scientific reports will be published regarding the ability of patients to resume their professions after leaving the Sanatorium.

Much indispensable repairs have been effected to transform a building which was once one of the largest hotels into a sanatorium capable of accommodating a large number of patients. This is undoubtedly an arduous job.

Project of the Tanta Tuberculosis Hospital

The necessary credit required for buying the site for this hospital has been applied for in the 1937-1938 budget.

Alexandria Maritime Sanatorium

The Maritime Sanatorium which used to belong to the Child Welfare Section has been attached to this Section as from September 1, 1936. It is now concerned with the treatment of surgical tuberculosis in its various forms. It has been provided with all the necessary instruments and is put under the direction of a trained specialist. Patients in the Sanatorium are either operated upon or set in plaster according to the exigency of the case. All the patients have been x-rayed after the X-Ray apparatus was repaired.

The Maritime Sanatorium Out-patients Clinic

(1) Circumcision and eye-painting have been suppressed.

(2) The clinic has, instead, been reserved for the treatment of medical and surgical diseases in children with a view to detecting the suitable cases for treatment in the In-patients Department. In the meantime other hospitals have been asked to forward cases suitable for sanatorial treatment.

The necessary measures have been taken for the notification of surgical tuberculosis with a view to estimating the extent of its spread and adopting the necessary measures for combating it. The project for the creation of more sanatoria for the treatment of tuberculosis is still under consideration.

Dispensaries' Attendances

The number of patients who sought treatment at the chest diseases dispensaries was 56,994, with an increase of 14,712 patients over those of the previous year, or 34.8 %.

During the year, 2,855 cases or 5 per cent of the new patients were found positive for tuberculosis.

Tuberculin Treatment

5,071 tuberculin injections were given to patients at the dispensaries during the year.

Gold Salts Treatment

944 gold salts injections were given to patients at the dispensaries during the year.

Home Treatment

The Chest Diseases Dispensary at Moltadayan pursued the treatment of 41 positive cases for tuberculosis from amongst the patients who observed the instructions given to them, namely complete rest for two months from date of diagnosis before considering the application of any other treatment.

Most of these patients suffered from bilateral lesions and had no previous sanatorial treatment. Only four of them could be admitted to the sanatorium but they refuse admission. In other words, all these patients were in an advanced stage of the disease, as compared with those ordinarily referred to the Sanatorium. The following are the results observed :—

(1) Number of patients improved	...	...	...	...	...	...	27
(2) Number of patients remained stationary	...	...	...	...	...	...	10
(3) Number of patients got worse	...	...	...	...	...	...	4

It is believed that most of the patients, with the exception of the very advanced cases, would benefit by the home treatment if they could afford complete rest in somewhat sanitary houses which are often available in many cases.

There is, besides, a large number of patients attending the dispensary in the early stage of the disease who, because of their poverty are obliged to carry on their business and thus help the disease advance and their condition grow worse, even during the interval of waiting for their turn to be admitted to the free section at the Sanatorium. There is no doubt that regular grants for the aid of such patients will have a far reaching effect in avoiding the lamentable end to which they would come if they were left without aid.

For the realisation of this end the Section took the necessary steps to obtain contributions from provincial councils for the aid of such necessitous patients, and has actually succeeded in getting them.

Dental Treatment

The Fouad Sanatorium Dental Clinic has carried out the dental treatment of patients. Every new patient is referred to the clinic to have his teeth examined and the necessary treatment prescribed. The number of patients attending the Clinic during the year amounted to 4,111, although the treatment is carried out in the clinic three days a week.

On October 10, 1935, a dental clinic was opened at the Moltadayan Chest Diseases Dispensary for the treatment of patients attending the Cairo Chest Diseases Dispensaries. During the period from date of inauguration up to the end of 1935, the number of patients attending the clinic was 348. Treatment is carried out twice a week. During this year there was an increase of 1,114 over the attendance of the previous year.

It has been observed that pulmonary tuberculosis patients attending the dispensary clinic, suffered from caries of the teeth, jaws and suppuration of the gums. In addition to their dental treatment, such patients were given the necessary instructions for the preservation of their teeth.

A New Section for the Chest Diseases and Leprosy

In view of the proposed increase of units for combating pulmonary and surgical tuberculosis and for the proper organisation of the work, it was considered advisable to create a separate section for chest diseases and leprosy.

III.—LEPROSY SECTION

Abu Zaabal Leprosy Colony

The notification of leprous cases requiring isolation continued throughout the year, but unfortunately there was no sufficient room at the Colony to accommodate all the cases. Some patients who became negative were discharged and infectious cases were admitted in their place.

The patients who have been accommodated in tents, for want of room, are now accommodated in wooden wards ; there being no funds available in the budget for the necessary extension of the building. It was, however, possible to increase the number of beds from 180 to 225.

The number of patients remaining in the Colony at the end of December 1936 was 200, with 37 patients less than last year, because of the discharge of the negative cases.

The isolation of lepers being the most important factor in combating and exterminating leprosy, the Ministry prepared a law regulating the isolation of lepers. Soon after this law is revised and put in the legal form, it will be submitted to the Parliament for approval. The construction of the necessary quarters for the isolation of lepers at the Colony will be carried out in proportion with the grants which will be approved in future. As regards the water and lighting plans for the Colony these have been prepared and will be put into adjudication during next year, and are expected to be completed by the end of the fiscal year.

During the year, the Colony was provided with two Fordson tractors to help the present two machines to produce water and light until the arrangements for the supply of light from the Egyptian State Railways Workshops at Abu Zabaal are completed. With the completion of the water plan, water will be supplied to the Colony in a satisfactory manner. The temporary machines will then be dispensed with.

Cairo Leprosy Hospital

The attendance at the Cairo Leprosy Hospital continued to increase during the year. The number of female lepers resident during the year was 108, with an increase of 24 over those of last year in spite of the fact that the hospital capacity is 75 beds only. It is anticipated to further increase the accommodation next year.

With a view to preventing the disturbances arising from the association of the out-patients and the female in-patients, the Ministry considered the creation of sub-clinics in the Cairo suburbs for the treatment of out-patients, each at the nearest clinic to his residence.

Out-patients Clinics in the Provinces

The Ministry continued to increase the sub-clinics annexed to the Central Clinics which had been introduced for the first time to Tanta Leprosy Clinics. These sub-clinics helped to increase the number of patients seeking treatment who were saved the trouble of travelling to the Central Clinics. The dose of medicine has been increased to about twice its amount according to the tolerance of the patient. It is the same amount the patient received if he attended the clinic twice a week. Thus, it is now possible for one medical officer to manage three different sub-clinics.

The leprosy sub-clinic at Kafr Saqr has been substituted by one at Abu Kebir, because the latter place, besides being a railway junction, lies in the centre of several large towns. In addition to the sub-clinics at Abu-Kebir and Mina el-Qamh, two other sub-clinics at Senbellawein and Abu Hammad have been annexed to Zagazig Clinic thus, there are now five sub-clinics annexed to the Central Clinic at Zagazig.

A new sub-clinic is being created at Tima to be annexed to Sohag Clinic and treatment is anticipated to be commenced shortly. The Ministry is introducing the sub-clinics scheme to all the other clinics in the Provinces. It will further be observed in the creation of further central clinics.

Complaints were raised by the patients because of the absence of shelters at the sub-clinics for the patients waiting for the treatment. The Ministry, desiring to remove all causes of complaint, has provided all the sub-clinics with shelters, although the patients visit the clinics once a week.

A new clinic has been approved in the 1936–1937 budget and arrangements are being made for its equipment and inauguration at Damanhur early next year. There will be four sub-clinics created in suitable localities and annexed to this one.

Two other clinics are proposed in the 1937–1938 budget and their approval is expected, there being many Provinces which are badly in need of such clinics.

Attendance of Patients

The number of patients seeking treatment at all the leprosy units during the year was 1,031, against 1,081 in the previous year. On examination 726 were found suffering from leprosy, against 584 last year. The remainder suffered from other skin diseases and were referred to the hospitals concerned.

The total number of patients applying for treatment at all leprosy units since the inauguration of the leprosy branch, in 1929, amounted to 9,194, of which 4,387 suffered from leprosy and 4,807 from other skin diseases. It was also discovered that 280 lepers have been repeatedly registered by several clinics, leaving 4,107 lepers proper who applied for treatment during the seven years. If it is remembered that the field of work covers a little less than half the country, then the estimation of the number of patients (lepers) in Egypt by 10,000 is not far from right and may possibly attain 15,000, if we note that new patients are still applying for treatment in the localities where clinics have been created. The number of patients' visits to the units during the year was 83,045. 302 kilos of oils used in the treatment of leprosy were used in injections, or at the rate of 3·6 centimetres an injection. The average rate of the attendance of patients was 31·37 %, i.e. 1,376 lepers regularly attended the clinics which makes the average number of injections given to each patient—or the average number of visits during the year—60 and the average amount of oil given to each patient was 220 centimetres.

The annual cost of upkeep of a patient including treatment, food and administrative expense, amounted to L.E. 11·280 mills. The total expenditure of the branch including salaries, equipment, and rations, amounted to L.E. 15,522. The cost of upkeep of the in-patient was L.E. 36·500 mills., or at a rate of 100 mills. per day. The out-patient costs 70 mills. for each visit, or a total of L.E. 4·200 mills. It may appear that the average cost of upkeep of the individual patient is comparatively high, but this may be attributed to the local difficulties which have not yet been surmounted, for instance the absence of the water supply from the Colony prevented resident lepers from carrying on agricultural work, which would help to economise much of the cost of food. Also the issue of the law regulating the isolation of lepers will help organising their residence in the Colony and the employment of able lepers. The Colony will then be productive and can easily maintain itself. With regard to the out-patient, it is the difficulty of communications, particularly in Upper Egypt, and the poverty of the patients which make up for the high cost of a patient's visit. Should the attendance become 100 % or a little more than three times the present attendance, there would be no extra cost besides the price of the oil used in injections and dressings, whereas the other expenses would remain the same. In this case the cost of the patient's visit would not exceed 25 mills.

Educational Missions

There are now four out of nine medical officers in the Leprosy Section who have received special training on leprosy abroad. A fifth medical officer is still on mission studying bacteriology.

Training of Leprosy Medical Officers on Ophthalmic Work

In view of the frequent occurrence of eye complications in lepers, it was decided to train all leprosy medical officers on ophthalmic work, to enable them to deal with such complications. It has been proposed in the next budget to send another medical officer to study leprosy in India, the Philippine Islands and Japan, particularly the regulations in force in Japan. It is the intention of the Section to train all its medical officers on skin diseases with a view to helping them detect early cases of leprosy from amongst the other skin diseases.

TABLE No. 5.—MONTHLY NUMBER OF PATIENTS WHO ATTENDED THE VARIOUS BRANCHES
OF THE ENDEMIC DISEASES SECTION, DURING THE YEAR 1936

1.—*Ankylostoma and Bilharzia Units*

Month	Number of Patients
January	63,559
February	54,472
March	69,939
April	85,287
May	67,003
June	77,898
July	86,276
August	93,465
September	50,167
October	48,580
November	40,632
December	31,423
TOTAL	768,701

2.—*Chest Diseases Dispensaries*

Month	Number of Patients
January	4,424
February	4,764
March	4,182
April	4,680
May	5,018
June	4,716
July	5,039
August	5,538
September	4,795
October	4,795
November	4,898
December	4,145
TOTAL	56,994

3.—*Leprosy Units*

Month	Number of Patients
January	81
February	74
March	94
April	104
May	103
June	85
July	97
August	105
September	86
October	88
November	55
December	59
TOTAL	1,031

TABLE NO. 6.—DISTRIBUTION OF INFECTION AMONG THE NEW PATIENTS ATTENDING THE VARIOUS BRANCHES OF THE ENDEMIC DISEASES SECTION, DURING THE YEAR 1936

	Number	Percentage
	%	
1.—Ankylostoma and Bilharzia Units :—		
(a) Number of new patients examined for urinary bilharziasis	749,408	—
Positive for urinary bilharziasis	440,593	58·7
(b) Number of new patients examined for intestinal bilharziasis ...	702,644	—
Positive for bilharzia mansoni	101,021	14·3
,, „ bilharzia haematoeum	10,227	1·4
,, „ amoebic dysentery...	18	0·26
(c) Total cases of bilharziasis	477,530	62·1*
(d) Number of new patients examined for ankylostomiasis... ...	702,644	91·4
Positive for ankylostoma	189,619	26·9
„ „ ascaris	357,856	50·9
„ „ other intestinal parasites	74,965	10·6
(e) Positive for urine and stools parasites	633,951	82·4
2.—Chest Diseases Units :—		
Number of new patients	56,994	—
Positive for tuberculosis	2,855	5
3.—Leprosy Units :—		
Number of new patients	1,031	—
Positive for leprosy	726	70·4

* The percentage given in Para. (c) above is calculated in relation to number of new patients (768,701).

TABLE NO. 7.—ANKYLOSTOMA AND BILHARZIA CASES TREATED AT THE ANKYLOSTOMA AND BILHARZIA UNITS DURING THE YEAR 1936

Unit	New Patients					Urine Exam. of New Patients		Stool Exam. of New Patients					Total Bilharzia	Pos. for Urine and Stools Parasites	Number of New Patients received Treatment		Number of Old Patients received Treatment		Result of Microscopical Examination after Treatment					Number of New Patients adjourned Treatment		Number of treated Patients after Complications		Number of Doses of Carbon tetrachloride given	Number of Injections given									
	Females under 16 Years		Females over 16 Years		Males under 16 Years	Males over 16 Years	Total	Number of Patients whose Urines were examined	Positive Bilharzia	Positive Bilharzia		Positive Ankylostoma	Positive Ascaris	Positive Other Ova	Pos. for Intestinal Parasites	Carbon	Mixt. of Cheno-podium	Ambae Dysentery	Bilharzia	Carbon	Mixt. of Cheno-podium	Ancolie Dysentery	Bilharzia	Ankylostoma	Dysentery	Bilharzia	Total Number of Patients examined	Negative	Total Number of Patients examined	Negative	Unfit for Treatment	More than the Number allowed	Ankylos-toma Branch	Bilharzia Branch	Felix Mas.			
										Mansoni	Haem.																											
Cairo Hospital ...	3,202	4,204	3,662	4,711	15,779	15,671	7,791	14,575	107	93	60	3,726	2,409	2,278	6,894	8,534	10,776	2,001	1,822	140	5,039	22	30	639	53,220	712	554	67	46	2,200	1,488	507	—	—	23	—	3,875	59,038
Qalyoub Hospital...	1,865	3,232	2,662	5,249	13,008	10,165	4,790	11,999	28	852	187	3,763	6,289	643	8,881	8,098	11,176	701	1,451	20	4,929	58	28	155	47,812	952	507	18	9	2,148	1,230	593	—	301	5	2,243	52,916	
Mansoura Hospital ...	2,075	3,243	3,275	6,235	14,828	14,258	8,018	14,071	21	5,579	97	2,141	4,336	620	9,255	11,096	12,665	173	1,718	25	7,592	11	72	146	74,831	482	461	5	5	2,676	2,139	421	1,277	144	—	1,974	82,594	
Benha Hospital ...	3,242	3,704	5,666	7,590	20,202	20,151	13,470	19,167	12	477	529	10,078	13,025	1,479	16,406	14,145	19,104	1,480	7,352	41	8,087	111	75	494	65,741	809	413	3	2	2,436	2,033	385	—	9,018	74,363			
Tanta ...	3,160	5,101	4,340	6,156	18,757	18,570	10,996	17,527	10	4,708	878	1,888	12,512	1,531	14,440	13,431	17,422	5	3,356	4	9,851	—	18	83,440	613	612	—	—	3,139	1,756	1,143	—	161	—	3,361	93,313		
Zagazig Hospital ...	3,308	4,010	5,189	6,090	18,627	18,476	17,391	18,480	64	3,078	926	7,086	13,279	5,657	16,429	12,403	17,596	782	5,832	42	6,103	132	50	211	50,372	1,421	633	14	8	2,948	1,362	2,155	—	185	—	6,796	56,728	
Travelling No. 1 ...	3,104	3,408	4,021	3,088	13,621	13,543	5,308	13,400	67	5,662	68	158	11,000	752	12,277	8,170	12,377	24	6,320	47	6,673	—	—	228	42,204	917	900	41	40	1,377	1,115	682	—	57	—	6,344	49,152	
" " 2 ...	2,620	3,039	4,583	4,882	15,130	15,081	10,032	14,959	179	—	625	6,283	333	2,605	7,804	10,126	12,487	1,162	222	55	7,423	11	—	242	50,927	431	361	26	25	2,064	1,665	322	—	77	—	4,395	58,647	
" " 3 ...	1,400	3,574	1,397	4,366	10,737	9,743	6,185	10,548	28	651	38	1,811	8,614	673	9,355	6,557	10,200	613	5,902	16	5,696	3	20	81	44,120	685	608	10	10	2,288	1,772	210	330	2	—	6,538	49,913	
" " 4 ...	2,058	2,914	4,060	4,402	13,434	13,380	8,489	12,880	6	—	122	2,030	280	2,227	4,641	8,622	10,069	1,710	186	5	6,515	178	7	21	49,927	815	553	2	1	2,468	1,916	1,104	—	—	—	2,081	56,468	
" " 5 ...	2,502	3,442	4,629	5,847	16,510	16,351	7,645	15,168	25	—	140	4,647	863	3,008	6,511	7,659	10,838	278	509	19	4,648	79	6	80	38,792	397	214	13	8	2,214	1,543	498	—	17	196	3,554	43,539	
" " 6 ...	4,447	5,820	5,562	6,217	22,046	21,914	14,715	21,432	6	119	268	9,709	18,188	2,380	19,441	14,809	21,043	390	12,381	46	8,221	8	97	279	73,330	204	84	3	2	3,424	2,039	507	—	24	—	12,876	81,876	
" " 7 ...	3,265	3,825	4,713	4,652	16,155	16,318	16,491	16,077	43	2,085	83	4,184	13,203	1,087	13,538	11,355	15,685	630	5,351	37	6,668	15	104	194	48,410	1,422	1,038	34	24	1,801	1,559	255	—	151	14	6,614	55,389	
" " 8 ...	881	1,250	1,376	2,574	6,081	6,031	3,881	5,532	15	391	52	1,129	1,594	395	2,567	3,012	4,867	811	22	23	3,334	1	—	103	33,561	17	15	21	19	784	670	60	—	—	—	8	834	37,021
" " 9 ...	2,315	2,322	2,951	3,490	11,078	11,055	7,874	10,912	97	5,921	75	1,017	1,257	275	7,035	10,136	10,443	174	236	83	9,000	—	—	437	83,638	4	4	54	49	4,066	2,765	749	629	1	13	410	93,158	
" " 10 ...	1,832	3,073	2,529	3,369	10,803	10,077	8,193	8,193	61	1,335	83	2,524	8,197	479	9,731	8,856	10,250	102	6,716	36	4,070	—	—	148	21,831	104	100	25	25	1,423	1,170	772	—	49	—	6,818	25,885	
" " 11 ...	1,366	2,320	2,167	3,369	9,788	9,788	5,541	9,788	74	5,858	13	2,494	5,651	1,029	6,440	8,409	9,268	141	1,123	69	6,314	1	35	358	48,227	398	324	89	72	2,782	2,22							

TABLE No. 8

Annual Statistics of Lepers, during the Year 1936

TABLE NO. 8.—ANNUAL STATISTICS

Unit		Number of Patients		General Remarks				How Infection was												
		New Patients		Negative to Leprosy	Positive to Leprosy	Males	Females	Married	Single	Egyptian	Foreigner	Moslem	Coptic	Other Religions	Denies Infection	Admits Infection	Foreign Contact	Family Contact	Father only	Mother only	Parents
Abu Zaabal		56	—	56	56	—	20	36	56	—	53	3	—	—	21	35	31	4	1	1
Cairo ...	428	215	213	147	66	99	114	211	—	2	200	—	136	77	48	29	7	3	2	1
Zagazig ...	131	48	83	61	22	42	41	83	—	—	83	—	34	49	29	20	3	2	2	1
Sohag ...	106	7	99	80	19	57	42	99	—	—	78	9	90	9	90	9	2	10	3	1
Tanta ...	222	27	195	156	39	88	107	195	—	—	186	—	110	85	40	45	10	3	5	1
Minia ...	88	8	80	70	10	46	34	79	—	1	59	20	50	30	12	18	3	11	5	1
TOTAL ...	1031	305	726	570	156	352	374	723	—	3	659	66	1	441	285	250	125	26	11	1

Unit	Duration of Disease					Laboratory Findings					Number of Patients since Inauguration									
	1 Year	2 Years	3-5 Years	6-10 Years	11-15 Years	16-20 Years	From 21 and upwards	Neg. Bc.	Pos. Bc.	Nose only	Skin only	Nose and Skin	Pos. Wr.	Neg. Wr.	Pos. Kh.	Neg. Kh.	Bilh.	Bar.	Alb.	General Number
Abu Zaabal	4	12	22	14	1	2	1	19	37	6	3	28	3	—	—	—	—	—	—	—
Cairo ...	52	48	77	28	6	1	1	88	125	13	7	105	17	32	—	—	—	—	—	—
Zagazig ...	6	7	36	31	1	2	1	36	47	8	1	38	—	—	—	—	—	—	—	—
Sohag ...	30	18	30	14	4	3	1	47	52	13	8	31	—	—	—	—	—	—	—	—
Tanta ...	70	34	60	28	2	1	1	123	72	1	25	47	—	—	—	—	—	—	—	—
Minia ...	17	18	33	9	I	2	1	36	44	1	11	32	40	40	—	—	—	—	—	—
TOTAL ...	179	137	258	124	15	11	2	349	377	41	55	281	60	72	—	—	—	—	—	—

Unit	Cairo Gov.		Alex. Gov.		Damietta Gov.		Canal Gov.		Suez Gov.		Beheira Prov.		Gharbia Prov.		Menufia Prov.		Daqahlia Prov.		Sharqia Prov.		
	Birth	Residence	Birth	Residence	Birth	Residence	Birth	Residence	Birth	Residence	Birth	Residence	Birth	Residence	Birth	Residence	Birth	Residence	Birth	Residence	
Abu Zaabal	5	1	12	1	1	1	1	1	1	1	9	1	4	1	1	22	24	130	119	78	75
Cairo ...	45	2	1	4	1	1	1	3	1	1	6	1	6	1	1	23	100	100	18	15	346
Zagazig ...	6	7	36	31	1	2	1	1	1	1	8	1	4	1	1	23	100	12	18	57	1910
Sohag ...	4	4	12	1	1	1	1	1	1	1	3	1	1	1	1	23	100	10	18	57	1515
Tanta ...	4	4	12	1	1	1	1	1	1	1	3	1	1	1	1	23	100	10	18	57	1411
Minia ...	6	9	3	1	1	1	1	4	1	1	1	1	1	1	1	23	100	10	18	57	986
TOTAL ...	6	47	6	9	3	1	1	4	1	1	1	1	1	1	1	22	24	130	119	78	75

(*) Some patients were admitted in more than one clinic. Control is made at Abu Zaabal Leprosy Colony.

OF LEPERS, DURING THE YEAR 1936

conveyed				Kind of Disease		Age of Patient at Admittance						Age on Appearance of Disease																		
		Husband	Wife		Sons	Brothers	Relations	Skin	Nerve	Mixed	1-10	11-20	21-30	31-40	41-50	51-60	From 61 and upwards	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	From 61 and upwards
4	1	2	2	1	1	1	1	3	24	29	1	15	22	12	2	4	—	2	2	8	15	8	10	5	1	1	3	—	1	3
	2	2	1	1	11	7	5	46	107	60	10	41	84	37	23	12	—	2	23	19	39	45	22	19	10	11	11	1	4	
	2	5	1	1	1	7	5	6	26	51	4	22	33	18	3	2	—	1	13	14	13	14	14	7	3	2	2	5	1	
	2	2	1	1	20	4	3	26	49	24	3	24	29	29	10	4	—	1	15	16	12	16	19	13	8	4	2	2	2	
	11	45	29	103	366	257	41	171	267	145	62	31	9	30	73	96	132	133	89	68	30	23	24	12	11	7	—	—	—	

Number of Patients			Details of Special Treatment										General Treatment			
Number of Attendance	Number of Absence	Number of Pat. treated	Number of Dressings	Oil. H.O.		E.C.C.O.		Anti-Leprone		Youdor Potas.		Other Preparation		Syphilis	Bilharz.	Parasites
				No.	Q.	No.	Q.	No.	Q.	No.	Q.	No.	Q.			
	"Rests"															
21,420	6,382	14,955	117924	13,826	55,077	—	—	—	—	—	—	593	4,406	594	—	—
3,764	6,969	17,852	26,973	16,023	59,178	—	—	—	—	—	—	—	—	663	279	—
1,474	3,354	6,176	4,532	6,137	23,953	—	—	—	—	—	—	—	—	—	36	2
2,296	3,307	17,649	6,658	17,649	48,280	—	—	—	—	—	—	—	—	—	—	—
3,066	7,329	14,333	12,625	14,333	53,963	—	—	—	—	—	—	—	—	—	—	—
1,592	2,950	12,119	10,197	12,119	41,773	—	—	—	—	—	—	—	—	—	73	—
33,612	30,291	83,084	178959	80,087	282224	—	—	—	—	—	—	593	4,406	1257	388	2

MONARY TUBERCULOSIS TREATED IN CHEST DISEASES DISPENSARIES, DURING THE YEAR 1936

Unit	Number of New Cases seeking Treatment		Number of New Patients suffering from Tuberculosis																		Old Patients seeking Treatment		Operation		Result of Treatment of Tuberculosis																																		
			Under 5 Years		From 5-10 Years		From 10-15 Years		From 15-20 Years		From 20-25 Years		From 25-30 Years		From 30-35 Years		From 35-40 Years		From 40-45 Years		From 45-50 Years		From 50-55 Years		From 55-60 Years		Over 60 Years		Occupation		Sput.		Ray.		Hæmoptysis		Cases under Observation		Home Visits by Nurses		Home Visits by M.O.		Contacts		Old Patients seeking Treatment		Operation		Result of Treatment of Tuberculosis										
	Total of T.B.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Merchants	Officials	Workmen	Peasants	Students	No. Occupation	Number of Sp. Ex.	Pos.	Number of X.R. taken	Pos.	Total	Attendance of Old T.B. Patients	Re. Bact. Examination	Other Chest Diseases	T.B. Contacts	Tuberculin Injections	Gold Injections	Pneumothorax	Admitted to Sanat.	Able to work	Other Operations	Unable to work	Discharges	Number of Deaths						
abtiya	14,100	640	1	—	13	12	12	16	39	38	73	42	100	41	61	29	55	29	16	11	14	7	6	4	10	3	2	6	25	48	193	70	14	285	1637	350	2011	290	19	837	1564	92	362	370	8	21,384	2,173	2,936	16,275	91	18	1,420	—	17	—	115	51	52	123
Iobtadayân*	11,464	628	2	—	2	—	13	5	55	17	93	23	128	51	63	23	57	23	26	12	10	2	6	7	2	2	3	—	34	29	251	88	17	209	1867	450	1828	178	90	354	1942	87	392	489	14	15,703	3,119	2,262	10,322	323	124	—	470	305	—	110	28	40	231
halifa	8,047	489	8	6	15	11	10	9	37	29	43	27	63	30	36	21	27	19	20	13	19	4	9	4	.6	6	10	4	14	19	184	14	11	247	1441	252	1548	237	73	392	1509	117	455	610	21	12,588	2,719	2,551	7,318	143	71	384	426	159	1	117	6	61	154
Iansoura	6,910	435	—	1	—	—	5	13	29	11	70	19	67	17	47	18	50	18	16	7	15	12	5	5	2	3	4	1	14	22	115	130	8	146	1679	363	510	72	351	310	665	223	143	162	6	11,843	2,548	1,282	8,013	365	49	414	—	75	—	69	18	11	151
anta	10,513	461	—	1	7	6	6	8	13	15	22	6	86	27	71	28	40	18	30	13	15	7	25	10	3	1	3	—	21	26	110	127	16	161	1292	278	704	183	160	202	734	260	97	296	11	17,199	1,499	998	14,297	405	20	2,549	48	58	—	46	5	13	36
ssuit	5,960	202	2	2	1	3	1	2	10	12	19	21	27	6	12	8	11	8	9	13	5	14	3	3	7	—	2	1	6	7	40	38	5	106	779	82	408	120	28	93	678	112	197	213	1	5,663	687	421	4,326	192	37	304	—	50	—	6	2	1	29
TOTAL ...	56,994	2855	13	10	38	32	47	53	183	122	320	138	471	172	293	130	240	115	117	69	78	46	54	33	30	15	24	12	114	151	898	467	71	1154	8695	1775	7009	1080	721	2238	7092	891	1646	2140	61	84,380	12,745	10,450	60,551	1,519	319	5,071	944	664	1	463	110	178	724

* Excluding these, 34 cases left Helwan Sanatorium and the extent of their ability was not known.

TABLE No. 10.—DETAILED ACCOUNT OF THE EXPENSES OF THE ENDEMIC DISEASES SECTION,
DURING THE YEAR 1936

Units	Salaries	Equipment, Instruments and Drugs	Rent, Water, Light and Sewage	Transport	Miscellaneous Expenses	Total
						L.E.
Ankylostoma Hospital, Cairo	634	95	47	56	32	1,064
" " Qaliûb	713	79	32	1	11	836
" " Mansura ...	570	114	50	6	9	749
" " Benha	757	61	34	—	54	906
" " Tanta ...	648	169	57	—	14	888
" " Zagazig	613	236	23	10	19	901
Travelling Ankylostoma Hospital No. 1	549	157	24	9	11	750
" " " 2	614	185	28	—	63	890
" " " 3	498	29	24	15	45	611
" " " 4	521	79	18	1	5	624
" " " 5	553	151	39	2	45	790
" " " 6	732	190	23	2	20	967
" " " 7	514	277	38	11	50	890
" " " 8	465	50	16	13	45	589
" " " 9	510	132	39	2	44	727
" " " 10	456	243	23	17	37	776
" " " 11	523	123	22	6	54	728
" " " 12	500	89	—	—	8	597
" " " 13	457	75	26	20	8	586
" " " 14	523	223	27	47	8	828
" " " 15	436	181	16	24	52	709
" " " 16	481	177	14	—	48	720
" " " 17	530	165	27	2	39	763
" " " 18	621	112	12	—	39	784
" " " 19	501	100	20	11	63	695
" " " 20	893	165	46	46	14	1,164
" " " 21	469	130	22	3	47	671
" " " 22	528	174	36	23	17	778
" " " 23	520	297	10	24	40	891
" " " 24	437	244	15	18	46	760
" " " 25	438	159	3	4	39	643
" " " 26	453	154	24	1	54	686
" " " 27	501	61	26	—	11	599
" " " 28	497	31	23	—	23	574
Travelling Ankylostoma Hospital, Menufiya	522	89	16	—	13	640
Travelling Ankylostoma Hospital, Qena Sharqia	477	88	—	—	9	574
Travelling Ankylostoma Hospital, Dahqahlia	556	85	14	1	4	660
Ankylostoma School Clinic No. 1	504	171	28	14	104	821
" " " 2	593	187	3	10	7	800
" " " 3	548	43	—	12	32	635
" " " 4	442	111	30	7	43	633
" " " 5	578	237	15	—	47	877
" " " 6	463	221	1	15	18	718
" " " 7	446	178	15	10	54	703
" " " 8	492	180	12	12	21	717
" " " 9	516	86	49	17	35	703
" " " 10	528	83	1	—	40	652
" " " 11	466	80	13	4	45	608
" " " 12	435	4	6	5	25	475
" Annex, Alexandria	462	112	21	13	55	663
" Mit Ghâmr	404	—	—	—	12	416
" Fikriya	427	—	—	—	—	427
" Suez	400	200	—	—	5	605
" Mataria	148	—	—	—	—	148
" " " 210	210	33	—	—	2	245

TABLE No. 10 (*contd.*)

Units	Salaries	Equipment, Instruments and Drugs	Rent, Water, Light and Sewage	Transport	Miscellaneous Expenses	Total
Ank. Temporary Annex	405	206	6	25	21	663
Chest Diseases Dispensary, Sabtiya ...	751	277	178	—	57	1,263
„ „ „ Mabtadayân ...	830	1,033	238	54	11	2,166
„ „ „ Khalifa ...	542	588	189	62	164	1,545
„ „ „ Mansura ...	662	206	130	15	2	1,015
„ „ „ Tanta ...	590	498	131	18	11	1,248
„ „ „ Assiut ...	506	543	108	5	22	1,184
Alexandria Maritime Sanatorium ...	931	655	82	3	547	2,218
Leprosy Colony, Abu Zaabal ...	2,941	1,772	173	—	3,349	8,235
„ Hospital, Cairo	1,340	904	231	—	1,225	3,700
„ Clinic, Zagazig	668	243	20	7	28	966
„ „ Sohag	494	106	35	1	12	648
„ „ Tanta	497	336	58	—	17	908
„ „ Minia	585	208	50	—	22	865
TOTAL	40,214	14,670	2,747	684	7,173	65,488

TABLE No. 11.—NUMBER OF THE VARIOUS UNITS ATTACHED TO THE ENDEMIC DISEASES SECTION, FROM 1920 TO 1936

Year	Total Number of Units	Units in each Branch separately				Remarks
		Ankylostoma and Bilharzia	Chest Diseases Dispensaries	T.B. Sanat.	Leprosy Units	
1920	... ... 4	4	—	—	—	
1921	... ... 5	5	—	—	—	
1922	... ... 6	6	—	—	—	
1923	... ... 6	6	—	—	—	
1924	... ... 6	6	—	—	—	
1925	... ... 12	12	—	—	—	
1926	... ... 18	18	—	—	—	
1927	... ... 33	33	—	—	—	
1928	... ... 53	53	—	—	—	
1929	... ... 58	55	2	—	1	
1930	... ... 63	57	3	—	3	
1931	... ... 64	56 (1)	3	—	5	Section established
1932	... ... 64	56	4	—	5	
1933	... ... 66	56	4	—	6 (2)	
1934	... ... 67	56	4	1 (4)	6 (3)	
1935	... ... 68	56	5	1 (5)	6	
1936	... ... 70	56	6	2	6	

N.B. :—

(1) The Ankylostoma Annex at Esna was abolished.

(2) In addition to this number, four additional leprosy sub-clinics were inaugurated and attached to these clinics.

(3) In addition to this number, four additional leprosy sub-clinics are functioning under control of these clinics.

(4) Fouad Sanatorium, Helwan, has been attached to the Endemic Diseases Section in September 1934.

(5) Maritime Sanatorium, Alexandria, has been attached to the Endemic Diseases Section in September, 1936.

TABLE NO. 12.—NUMBER OF NEW PATIENTS ATTENDING UNITS OF THE VARIOUS BRANCHES
OF THE SECTION, DURING THE LAST FIVE YEARS

1.—*Ankylostoma and Bilharzia Units*

Year	Number of New Patients
1932	627,172
1933	720,431
1934	665,799
1935	759,735
1936	768,701

2.—*Chest Diseases Units*

Year	Number of New Patients
1932	20,519
1933	24,664
1934	33,461
1935	42,282
1936	56,994

3.—*Leprosy Units*

Year	Number of New Patients
1932	1,247
1933	1,639
1934	1,273
1935	1,083
1936	1,031

TABLE No. 13.—LOCALITIES OF THE ANTHELMINTIC TRAVELLING UNITS,
DURING THE YEAR 1936

Unit	Locality	Dates	
		From	To
Ankylostoma Hospital No. 1...	Damanhur	1- 1-1936	31-12-1936
" "	Beni Suef	1- 1-1936	31-12-1936
" "	Akhtab (Aga Markaz)	1- 1-1936	20- 2-1936
" "	Sanafa (Markaz El-Senbellawein) ...	21- 2-1936	31-12-1936
" "	El-Fayoum	1- 1-1936	31-12-1936
" "	El-Minia	1- 1-1936	31-12-1936
" "	Shebin el-Kom	1- 1-1936	31-12-1936
" "	Toukh (Qal ubia)	1- 1-1936	21- 5-1936
" "	Tanan (Markaz Qaliub) ...	22- 5-1936	31-12-1936
" "	Abu el-Wakf (Markaz Maghagha)	1- 1-1936	28-12-1936
" "	El-Ayat	29-12-1936	31-12-1936
" "	El-Sarw (Markaz Faraskour) ...	1- 1-1936	31-12-1936
" "	Quesna El-Balad	1- 1-1936	14- 4-1936
" "	El-Kom el-Tawil, Markaz Kafr el-Sheikh (village hospital) ...	15- 4-1936	12-10-1936
" "	Bandar Quesna	13-10-1936	31-12-1936
" "	Abu Hommos	1- 1-1936	28- 3-1936
" "	Kafr el-Dawar	29- 3-1936	31-12-1936
" "	Dessouq (district hospital) ...	1- 1-1936	31-12-1936
" "	Kafr el-Sheikh ...	1- 1-1936	13- 1-1936
" "	Qallin (Markaz Kafr el-Sheikh) ...	14- 1-1936	26-12-1936
" "	Mehallet Menuf (Markaz Tanta) ...	27-12-1936	31-12-1936
" "	Fedemin (Markaz Sinnouris) ...	1- 1-1936	25- 2-1936
" "	Tobbohar (Markaz Eisa) ...	26- 2-1936	30-11-1936
" "	Tamia (Markaz Sinnouris) ...	1-12-1936	31-12-1936
" "	El-Nakhas (Zagazig Markaz) ...	1- 1-1936	8- 4-1936
" "	Bahtit ...	9- 4-1936	3-11-1936
" "	Mashtoul el-Soouq (Markaz Bilbeis) ...	4-11-1936	31-12-1936
" "	Bassioun (Markaz Kafr el-Zayat) ...	1- 1-1936	31-12-1936
" "	Kafr el-Zayat	1- 1-1936	31-12-1936
" "	Sobk el-Dahhak (Markaz Menouf) ...	1- 1-1936	31-12-1936
" "	Shanshour (Markaz Ashmoun) ...	1- 1-1936	24- 7-1936
" "	Talway (Markaz Ashmoun) ...	25- 7-1936	31-12-1936
" "	Fom el Khalig, Cairo ...	1- 1-1936	31-12-1936
" "	Maghagha	1- 1-1936	17-10-1936
" "	El-Fashn (District Hospital) ...	18-10-1936	31-12-1936
" "	Biba... ...	1- 1-1936	20- 4-1936
" "	Ihnassia el-Madina (Markaz Beni Suef)...	21- 4-1936	13-10-1936
" "	Ashmant (Markaz el-Wasta) ...	14-10-1936	31-12-1936
" "	El-Qorashia (Markaz El-Santa) ...	1- 1-1936	19- 3-1936
" "	Saft Trab (Markaz Mehalla el-Kobra) ...	20- 3-1936	5-10-1936
" "	El-Gaafaria (Markaz El-Santa) ...	6-10-1936	31-12-1936
" "	Saft Khaled (Markaz Itay el-Baroud) ...	1- 1-1936	20- 8-1936
" "	El-Negila (Markaz Kom Hamada) ...	21- 8-1936	31-12-1936
" "	El-Gammalia (Markaz El-Manzala) ...	1- 1-1936	23- 1-1936
" "	El-Manzala (District Hospital) ...	24- 1-1936	31-12-1936
" "	Damietta	1- 1-1936	31-12-1936
" "	Mallawy	1- 1-1936	31-12-1936
" "	Kom Hamada	1- 1-1936	31-12-1936
Ankylostoma Hospital (Provincial Council, Menufia) ...	Menouf	1- 1-1936	31-12-1936
Ankylostoma Hospital (Provincial Council, Qena) ...	Nag Hamadi	1- 1-1936	31-12-1936
Ankylostoma Hospital (Provincial Council, Sharqia) ...	Belbeis	1- 1-1936	31-12-1936

TABLE No. 13 (*contd.*)

Unit	Locality	Dates	
		From	To
Ankylostoma Hospital (Provincial Council, Daqahliya) ...	Diarb Negm (Markaz Sinbellawien) ...	1- 1-1936	31-12-1936
Ank. School Clinic No 1 ...	Khedewya School, Cairo...	1- 1-1936	25- 5-1936
" " " " 2 ...	Tura el-Heit (Helwan District)	26- 5-1936	24-11-1936
" " " " 3 ...	Ghoraieb Inst., Cairo	25-11-1936	31-12-1936
" " " " 4 ...	Abbassia Secon. School, Moharram Bey	1- 1-1936	14- 5-1936
" " " " 5 ...	Rosetta (District Hospital)	15- 5-1936	14-11-1936
" " " " 6 ...	Gabbary Institute, Alexandria	15-11-1936	31-12-1936
" " " " 7 ...	Mehalla el-Kobra	1- 1-1936	31-12-1936
" " " " 8 ...	Berket el-Sab...	1- 1-1936	31-12-1936
" " " " 9 ...	Gov. Secondary School, Tanta	1- 1-1936	21- 5-1936
" " " " 10 ...	Ganzour (Markaz Tala)	22- 5-1936	14-11-1936
" " " " 11 ...	Ashmoun (District Hospital)	15-11-1936	31-12-1936
" " " " 12 ...	Hour (Mallawi Markaz)	1- 1-1936	14- 3-1936
Temporary Ankylostoma Annex	Abu Kebir (Markaz Kafr Sakr)	15- 3-1936	31-12-1936
	Mahmoudia	1- 1-1936	26-10-1936
	Gov. Secondary School, Damanhour ...	27-10-1936	31-12-1936
	Deirout	1- 1-1936	21-12-1936
	Deramwas (Markaz Deirout)	22-12-1936	31-12-1936
	Minia el-qamh (District Hospital) ...	1- 1-1936	31-12-1936
	Samanoud	1- 1-1936	31-12-1936
	Girga	1- 1-1936	31-12-1936
	Port Said	1- 1-1936	31-12-1936
	Wasta (District Hospital)	1- 1-1936	14- 5-1936
	Agouzien (Markaz Dessouk)	15- 5-1936	14-11-1936
	Bandar Fowa	15-11-1936	31-12-1936

TABLE No. 14.— NUMBER OF STUDENTS EXAMINED AND TREATED BY THE ANKYLOSTOMA UNITS OF THE SECTION, DURING THE YEAR 1936

Units	Number of Students		
	Examined	Treated	Doses and Injections
Ankylostoma School Clinic No. 1	8,231	2,147	508
" " " 2	9,324	3,411	3,098
" " " 4	959	834	—
" " " 5	5,643	2,363	3,946
" " " 6	351	288	207
" " " 7	378	327	285
" " " 8	858	526	272
" " " 9	761	679	158
" " " 10	754	554	751
" " " 11	540	101	148
" " " 12	6,167	3,856	1,634
Travelling Ankylostoma Hospital No. 2	844	431	1,614
" " " 4	209	117	583
" " " 5	4,145	745	421
" " " 9	204	195	—
" " " 11	352	287	1,117
" " " 12	203	65	—
" " " 19	280	269	1,111
" " " 21	399	315	40
" " " 25	395	280	214
" " " 26	615	529	263
" " " 27	396	93	14
Ankylostoma Hospital Zagazig	309	227	—
Mansura	40	25	—
Annex Fikriya Hospital	756	421	2,203
Temporary Ankylostoma Annex	136	65	39
TOTAL	43,249	19,155	18,626

TABLE NO. 15.—RETURN OF PULMONARY TUBERCULOSIS TREATED IN HELWAN SANATORIUM, DURING THE YEAR 1936

Months	New Patients admitted to Sanatorium																			Discharged Patients										Operations			Injections			On Discharge																														
	Less than 5 Years		5-10 Years		10-15 Years		15-20 Years		20-25 Years		25-30 Years		30-35 Years		40-45 Years		45-50 Years		50-55 Years		55-60 Years		over 60 Years		Classes			Professions			Examination			Total		Repeat. Bact. Examination		Aspirations		Pneumothorax		Oleothorax		Phrenicotomy		Lepiodol		Gold Treatment		Other Injections		Complete Work		Partial Work		Stationary		Aggravated		Dead						
	Total	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	1st	2nd	3rd Privilege	3rd Gratis	Merchants	Officials	Workmen	Peasants	Students	No. Occupations	Other Chest Diseases	Pos. + Sputum	Post. + X-Ray	Neg. —	Better	Stationary	Worse	Died in	Aspirations	Pneumothorax	Oleothorax	Rib Resections and Drainage	Cautery of Adhesions	Lepiodol	Gold Treatment	Other Injections	Complete Work	Partial Work	Stationary	Aggravated	Dead														
January	85	—	—	—	—	—	—	1	6	2	18	4	16	—	4	3	10	—	8	2	3	1	4	1	1	—	—	10	44	31	9	18	14	16	8	20	6	48	31	54	7	37	7	71	33	38	32	27	2	10	5	127	4	5	410	5,306	10	22	27	2	10					
February	102	—	—	—	—	4	—	1	7	9	17	6	13	4	14	3	7	3	2	3	—	2	1	—	1	2	—	—	8	42	52	5	13	27	14	7	36	15	59	28	94	4	55	13	100	55	45	44	33	11	12	4	109	—	7	—	—	—	—	412	4,819	7	37	33	11	12
March	102	—	—	—	—	3	2	4	8	8	20	6	13	6	3	2	8	3	5	3	6	—	2	—	—	—	—	8	45	49	16	14	17	7	8	40	17	60	25	92	4	54	14	97	55	42	36	44	8	7	128	—	—	—	—	—	—	258	5,348	5	31	44	8	9		
April	106	—	—	2	—	2	4	7	6	15	6	11	6	7	7	16	4	3	1	4	—	3	—	—	—	2	—	—	8	48	50	12	14	20	17	8	35	8	67	31	87	1	64	29	100	64	36	43	38	12	1	364	4,821	3	40	38	12	7								
May	111	—	—	—	—	—	—	3	1	12	9	21	6	17	5	8	6	5	5	5	2	1	—	1	1	—	16	46	48	6	17	29	20	9	39	11	72	28	107	14	69	41	112	73	39	44	47	15	6	9	107	—	1	—	—	—	—	283	3,904	11	33	47	15	6		
June	113	1	—	1	1	2	2	14	3	18	7	18	5	9	5	9	2	4	1	2	2	—	2	—	—	13	45	55	2	6	35	24	10	36	10	63	40	15	5	56	28	111	56	55	39	49	11	12	8	137	5	—	—	—	—	—	354	5,454	7	32	49	11	12			
July	98	—	2	—	—	4	—	11	5	17	9	13	5	6	5	9	2	1	1	3	3	—	1	—	—	5	51	42	1	13	30	15	11	28	3	62	33	26	—	70	56	109	66	43	34	38	21	16	23	88	4	3	—	—	—	—	212	4,086	5	29	38	21	16			
August	109	—	—	—	—	1	2	5	6	12	14	13	15	4	11	2	4	2	3	1	4	—	—	4	—	—	6	48	55	2	11	26	23	5	42	6	66	37	104	4	86	84	88	50	38	33	30	15	10	6	131	—	—	—	—	—	—	276	6,166	5	28	30	15	10		
September	80	—	—	1	—	2	4	5	6	18	1	10	4	6	3	4	2	2	1	6	1	1	2	—	1	—	—	12	45	23	4	18	12	10	10	26	6	45	29	73	1	42	6	80	35	45	27	37	9	7	9	76	1	3	—	—	—	—	395	3,706	4	23	87	9	7	
October	105	—	—	—	—	4	—	13	2	21	8	12	6	9	3	12	4	3	1	—	1	—	1	—	1	—	20	48	36	7	14	14	23	16	31	12	84	9	74	17	58	9	88	48	45	34	32	11	11	17	136	—	14	—	—	—	—	533	4,323	1	33	32	11	11		
November	78	—	—	—	—	2	2	9	1	17	2	10	3	7	6	4	3	1	—	1	—	1	—	1	—	18	35	25	5	8	18	15	8	24	11	55	12	65	6	26	9	84	49	35	27	37	12	8	9	120	—	2	—	—	—	—	4	647	5,181	—	27	37	12	8		
December	46	—	—	—	—	—	—	2	1	4	12	1	5	3	7	1	2	—	—	1	2	—	—	1	2	8	13	23	4	10	7	8	3	14	1	24	21	41	11	16	2	69	41	28	28	19	7	15	4	110	—	—	—	—	—	—	409	5,430	1	27	19	7</td				

TABLE No. 16

The Work of Laboratory at Fouad Sanatorium, Helwan,
during the Year 1936

TABLE No. 16.—THE WORK OF LABORATORY

Months	Sputum		Urine				Stools					
	Pos.	Neg.	Albumen	Diabetis	Bilh.	Pos. Urine	Ank.	Ascaris	Paras.	Bilh.	Dysentery	Neg. stools
January	143	114	125	8	28	79	8	15	3	3	3	87
February	157	125	163	9	40	87	5	18	1	9	2	94
March	95	91	98	8	23	64	2	11	1	4	1	82
April	108	97	120	12	30	59	1	12	2	10	—	75
May	115	92	131	7	23	78	7	18	2	15	—	91
June	112	105	109	9	27	69	5	27	3	7	1	97
July	116	90	104	6	19	82	3	14	5	20	—	83
August	104	113	106	10	17	64	1	29	1	4	—	116
September	114	103	74	13	18	51	1	15	1	5	—	86
October	97	72	106	17	21	43	4	19	2	6	1	89
November	101	82	89	15	12	46	6	30	1	5	—	79
December	65	60	59	22	10	43	1	8	—	8	—	51
TOTAL	1,327	1,144	1,284	136	268	765	44	216	22	96	8	1,030

AT FOUAD SANATORIUM, HELWAN, DURING THE YEAR 1936

Blood Count		Malaria Blood		Wassermann		Vidal		Monthly Total	Remarks
Diff.	Total	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.		
3	2	5	2	6	1	—	—	635	679 sp. of sputum examined by antiformin.
6	8	2	1	9	2	—	—	738	234 sp. for the quantity of diabetis.
3	3	1	—	7	1	—	—	495	39 sp. for the quantity of albumen.
2	3	6	2	8	—	—	—	547	48 sp. of stools ex. for T.B. bacilli.
8	10	1	1	9	1	—	—	609	23 specimens for pleural effusion.
7	8	2	1	13	1	3	—	606	1,023 total of specimens.
4	5	1	—	10	—	1	—	563	—
12	10	3	1	30	2	—	—	623	—
14	13	1	1	4	1	—	—	515	Specimens examined during 1936 :—
12	12	4	1	14	—	1	—	521	
7	9	2	—	7	5	—	1	487	6,700
4	3	3	1	12	1	—	—	361	1,023
82	86	31	11	129	15	5	1	6,700	TOTAL 7,723

TABLE No. 17.—THE WORK OF THE X-RAY SECTION AT FOUAD SANATORIUM,
HELWAN, DURING 1936

Months	In-patients of the Sanatorium						Patients of the Exterior				Total	
	Chest		Bones and Other Parts			Gratis for Patients referred from Disp. and the Staff of the Sanatorium		Photos paid for P.T. 150				
	14-17	30-40	14-17	30-40	18-24	14-17	30-40	14-17	30-40			
January	100	122	—	3	2	4	8	1	1	241		
February	95	171	—	—	—	5	6	5	—	282		
March	104	145	—	4	7	5	7	2	—	274		
April	116	128	1	—	—	5	3	1	—	254		
May	121	148	—	—	1	1	3	1	—	275		
June	92	184	—	—	6	1	4	1	—	288		
July	119	120	—	1	6	—	1	—	—	247		
August	78	153	—	2	6	—	2	—	—	241		
September	109	124	—	1	4	5	—	—	—	243		
October	108	143	—	2	8	1	—	—	—	262		
November	98	137	1	1	6	—	2	2	1	248		
December	55	92	1	10	7	9	27	1	1	203		
Total	1,195	1,667	3	24	53	36	63	14	3	3,058		

TABLE No. 18.—DETAILED ACCOUNT OF EXPENDITURE AT
FOUAD SANATORIUM, HELWAN, DURING THE YEAR 1936

Items	L.E.
Salaries	10,547
Diet	8,027
Rent, water, light and sewage	724
Petty expenses, etc.	256
Equipment, instruments, and drugs	3,857
Transport	30
Upkeep	47
Repairs	107
TOTAL	23,595

TABLE No. 19.—A DETAILED ACCOUNT OF RECEIPTS AT FOUAD SANATORIUM,
HELWAN, DURING 1936

Months	Fees of Treatment	Fees for Official Documents	Fees for X-rays	Miscellaneous	Total
	L.E.	L.E.	L.E.	L.E.	L.E.
January	724·000	000·460	3·000	8·160	735·620
February	551·281	—	7·500	0·190	558·971
March	582·410	1·380	3·000	1·240	588·030
April	528·500	1·380	1·500	0·401	531·781
May	693·220	0·000	1·500	1·506	696·226
June	648·400	0·460	1·500	0·370	650·730
July	622·200	0·920	0·000	3·000	626·120
August	616·400	0·000	0·000	0·189	616·589
September	594·500	0·000	0·000	0·000	594·500
October	946·900	0·000	0·000	7·390	954·290
November	820·500	0·465	5·000	0·075	826·040
December	635·550	0·460	4·000	1·029	641·039
TOTAL	7,963·861	5·525	27·000	23·550	8,019·936

TABLE No. 20.—ANNUAL RETURN OF CASES TREATED IN ALEXANDRIA MARITIME SANATORIUM, DURING THE YEAR 1936

DATE	OUT-PATIENTS SECTION												IN-PATIENTS SECTION											
	New patients												Old Patients											
	Total		Under 5 Years		From 5-10 Years		Over 10 Years		Total		Under 5 Years		From 5-10 Years		Over 10 Years		Total		Under 5 years		From 5-10 years		Over 10 years	
January	849	353	250	118	128	—	—	—	1,112	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	724	296	222	103	103	—	—	—	1,390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	754	311	223	107	113	—	—	—	1,227	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	880	337	338	93	112	—	—	—	1,935	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May	1,159	452	389	166	152	—	—	—	2,729	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
June	2,123	940	693	236	254	—	—	—	1,223	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
July	1,452	586	503	200	163	—	—	—	2,766	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August	1,711	698	561	230	216	4	2	—	4,235	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
September	1,195	524	384	140	147	—	—	—	3,388	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
October	827	399	279	63	86	—	—	—	567	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	671	286	188	66	58	14	59	—	618	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
December	628	167	167	54	49	47	144	—	824	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	12,973	5,349	4,197	1,576	1,581	65	205	—	22,014	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Number of In-patients Section on January 1, 1936 39

" " patients admitted during 1936 43

" " discharged during 1936 43

" " In-patients Section on January 1, 1937 39

جدول رقم ١

Table N° 1.

رسم بياني بعدد المرضى المستجدين شهرياً بوحدات الانكلستوما والبليهارسيا في خلال سنة ١٩٣٦

A GRAPH SHOWING THE MONTHLY NUMBER OF NEW PATIENTS ATTENDING THE ANK.& BILH. UNITS OF THE SECTION DURING THE YEAR 1936.

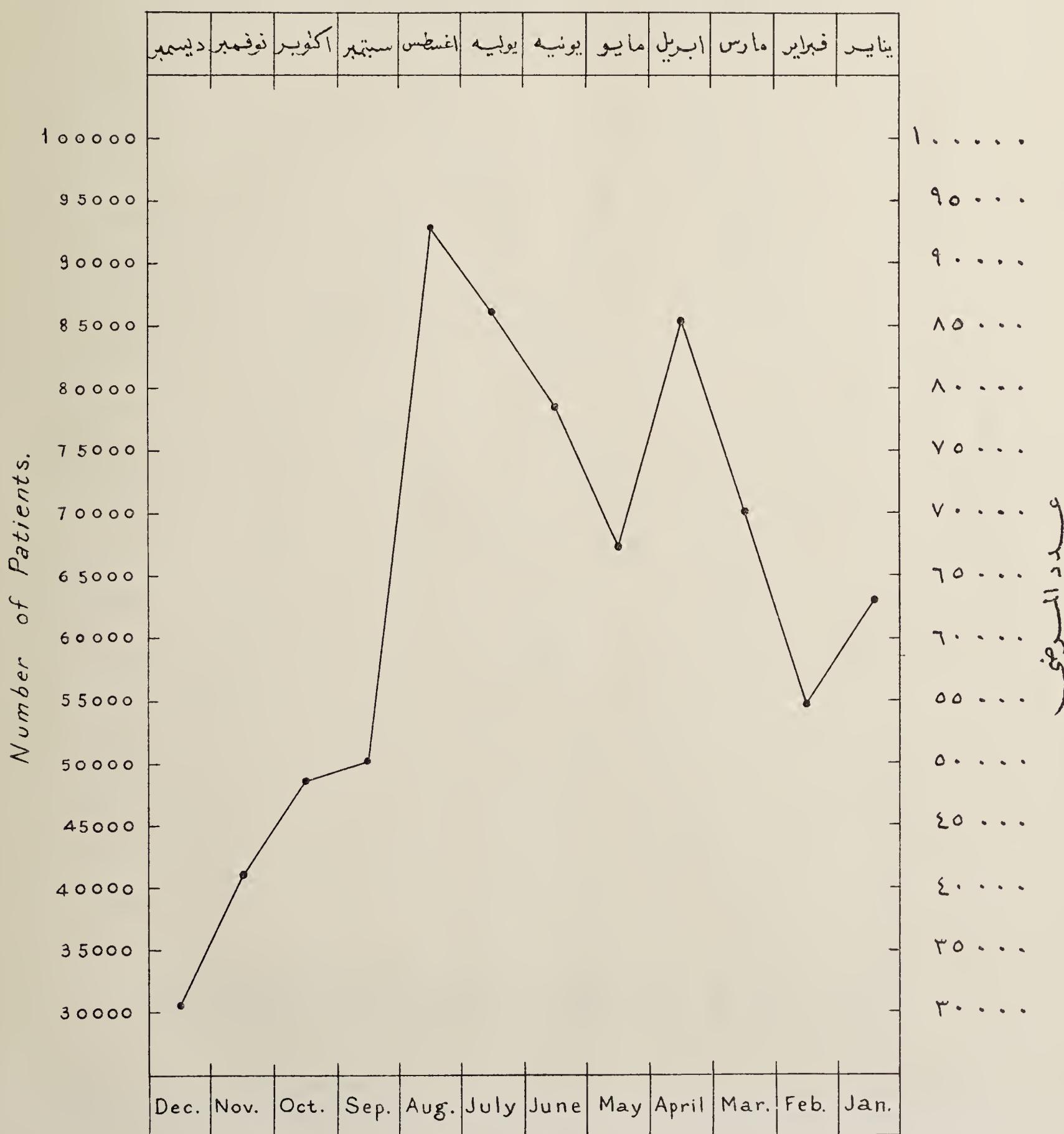
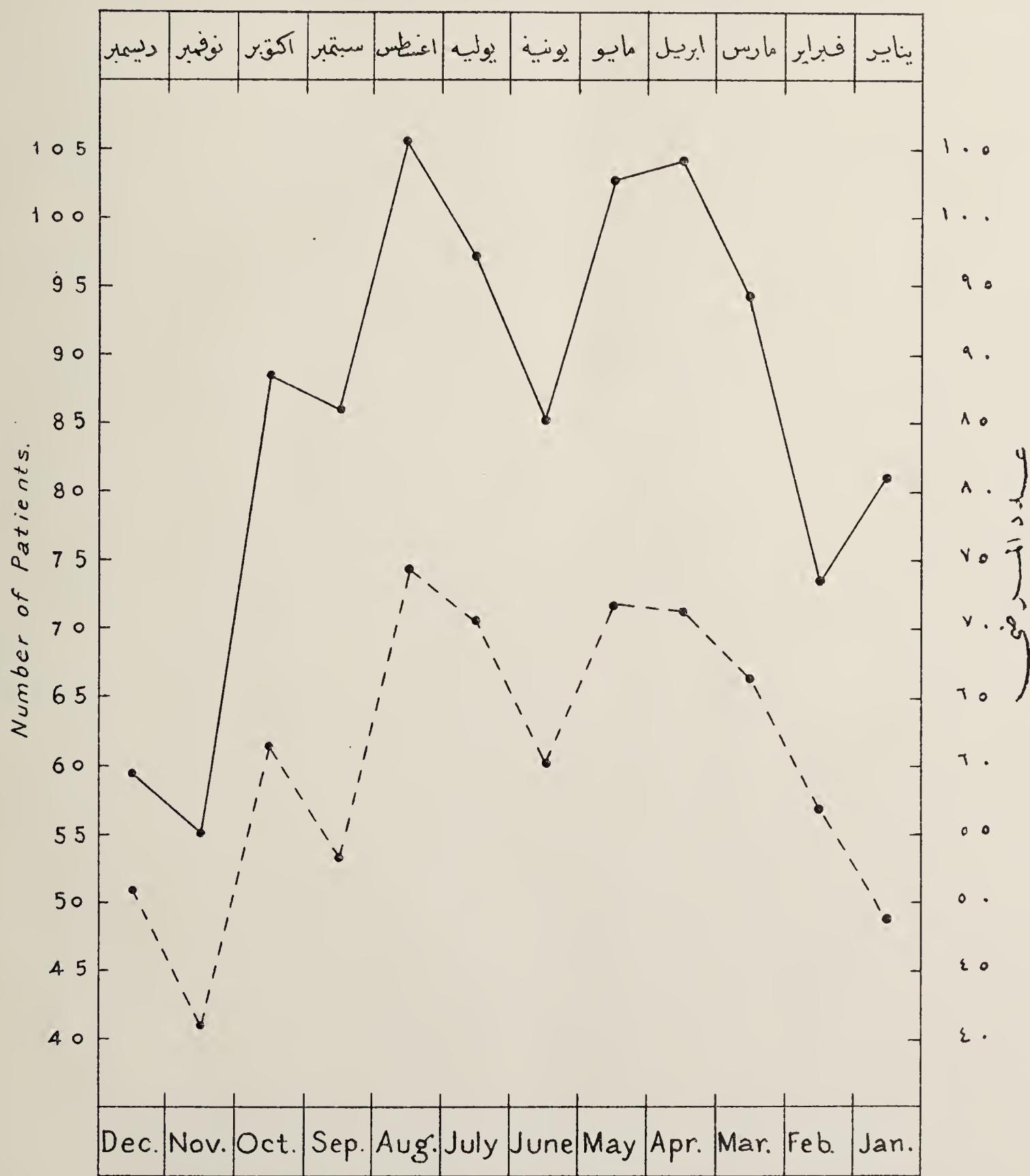


Table № 2.

رسم بياني بعدد المرضى المستجدين والإيجابي منهم شهرياً بوحدات الجذام في خلال سنة ١٩٣٦

A GRAPH SHOWING THE MONTHLY NUMBER OF NEW PATIENTS AND THOSE FOUND POSITIVE, IN THE LEPROSY UNITS, DURING THE YEAR 1936.

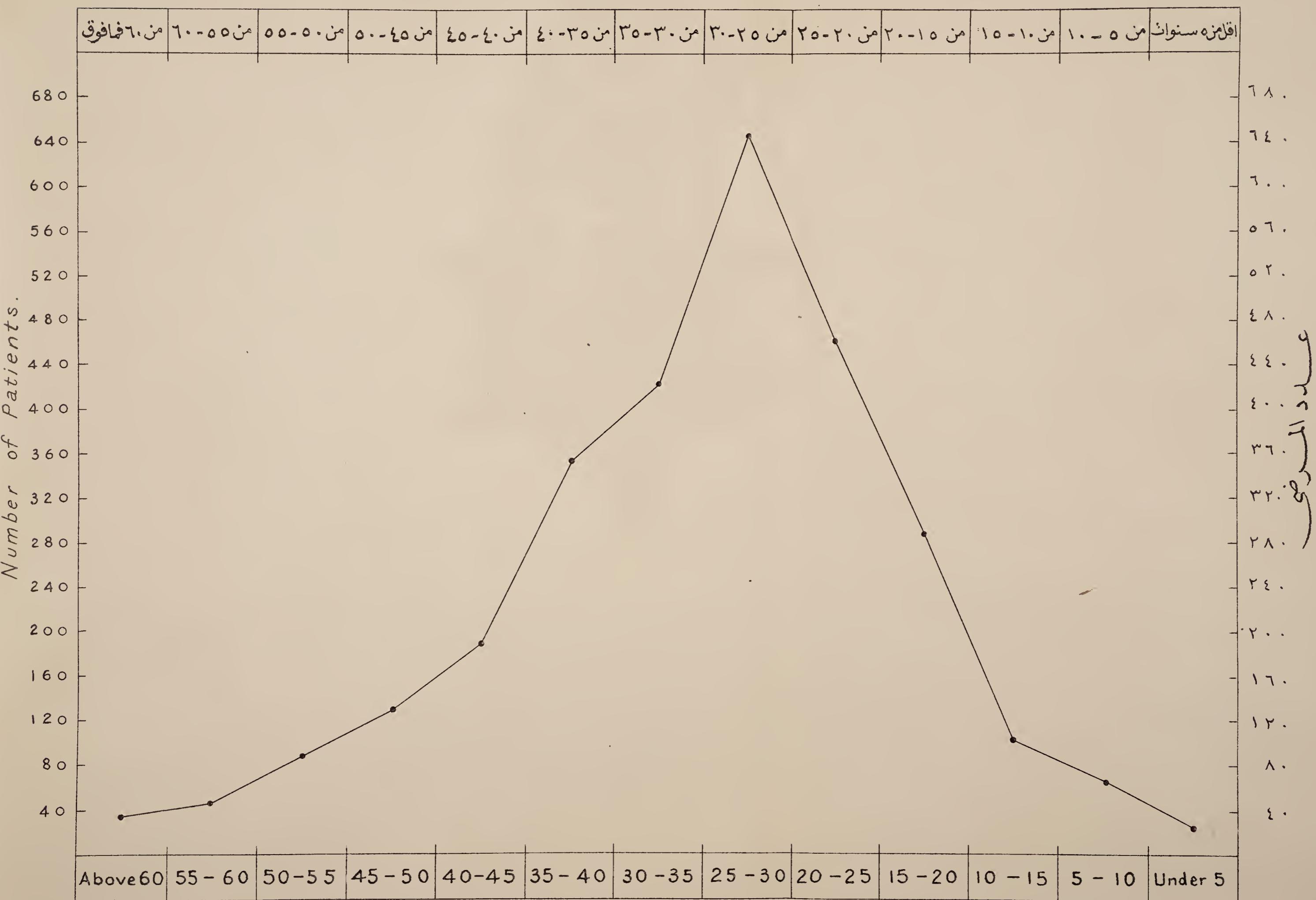


Number of new patients per month.
Number of positive cases per month.

العدد المئوي للمرضى المستجدين شهرياً
العدد الإيجابي منهم شهرياً

رسم بياني بعدد المرضى الأيجابيين للسل حسب أعمارهم بحسب صفات الأمراض الصدرية في خلال سنة ١٩٣٦

A GRAPH SHOWING NUMBER OF TUBERCULOSIS POSITIVE CASES(ACCORDING TO AGES)
IN THE CHEST DISEASES DISPENSARIES DURING THE YEAR.1936.



N.B. The Graph shows cases found positive for Tuberculosis by sputum examination or by X-Ray.

ملاحظة: البيان أعلاه هو عن الحالات التي وجدت إيجابية
للسل بفحص البصاق أو بالأشعة

